

**To:** Lytle, Darren[Lytle.Darren@epa.gov]; Deltoral, Miguel[deltoral.miguel@epa.gov]; Crooks, Jennifer[crooks.jennifer@epa.gov]  
**Cc:** Triantafyllidou, Simoni[Triantafyllidou.Simoni@epa.gov]; Sorg, Thomas[Sorg.Thomas@epa.gov]; Schock, Michael[Schock.Michael@epa.gov]; Bair, Rita[bair.rita@epa.gov]; Porter, Andrea[porters.andrea@epa.gov]  
**From:** Poy, Thomas  
**Sent:** Fri 3/20/2015 9:05:10 PM  
**Subject:** RE: Citizen high lead result

Hi Darren: I will try to set something up for next week for a Legionella chat.

Thanks.

Tom

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Tom Poy

Chief, Ground Water and Drinking Water Branch

USEPA - Region 5

(312) 886-5991

**From:** Lytle, Darren  
**Sent:** Friday, March 20, 2015 8:31 AM  
**To:** Deltoral, Miguel; Poy, Thomas; Crooks, Jennifer  
**Cc:** Triantafyllidou, Simoni; Sorg, Thomas; Schock, Michael; Bair, Rita; Porter, Andrea  
**Subject:** RE: Citizen high lead result

Simoni and I would be glad to have a conversation about Legionella anytime. We are doing a lot of work on the subject these days,

Darren

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**From:** Deltoral, Miguel

**Sent:** Thursday, March 19, 2015 11:21 AM

**To:** Poy, Thomas; Crooks, Jennifer

**Cc:** Lytle, Darren; Triantafyllidou, Simoni; Sorg, Thomas; Schock, Michael; Bair, Rita; Porter, Andrea

**Subject:** RE: Citizen high lead result

Tom/Jen,

Here's my initial reaction on Flint for today's discussion.

**Legionella** – I am definitely not up to speed on the latest research so if we think there may be an issue, we should bring in folks with relevant expertise to assess the situation (Darren Lytle, Simoni Triantafyllidou).

**Lead** – I need some additional information from the resident and the PWS before I can make any recommendation on what to do. My understanding is that this is not an LCR compliance monitoring site, and that it has all plastic interior piping with an iron filter at the service connection inlet and has tested high twice for lead (second result was 398 ug/L). Assuming it really is all-plastic interior plumbing, the lead may be coming from;

- 1) leaded-brass faucet/underlying fittings;
- 2) leaded-brass water meter; and
- 3) lead that has sorbed onto the iron in the iron filter from the meter or (if they have one) and/or a lead service line (if they have one).

**DBPs** – DEQ needs to conduct a comprehensive assessment across all three issues, not just DBPs, especially if Flint is considering changes to disinfection practices. I don't know if they are, but switching to chloramines is a common practice to lower DBPs which could affect the Legionella and lead situations as well.

In the past we've gotten calls from people who said they feel ill when they drink their 'high iron' water. EPA's response has essentially always been that there are no adverse health effects from iron, but I think we need to start asking more questions for future calls before we leave the answer at that. I suspect the LSL/Iron filter combination is something that we may be missing as a potentially significant lead exposure source, with the iron filters serving as lead sinks.

After we talk I'll touch base with our ORD folks if you think we need to.

Miguel A. Del Toral

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**From:** Jennifer Crooks [<mailto:jcrooks57@gmail.com>]

**Sent:** Thursday, March 19, 2015 7:29 AM

**To:** Poy, Thomas; Deltoral, Miguel

**Subject:** Citizen high lead result

Tom--Miguel and I talked yesterday about this; what could be going in there and possible communication with State and citizen. We were hoping to meet with you this morning some time between 9and noon?

Jen